Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

r the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute	e for form 1449A/PTO			Complete if Known			
	INFORMATION DISCLOSURE STATEMENT BY APPLICANT		Application Number 10/044,264				
1	INFORMATION DISC	CLOS	Application Number 10/044,264  Filing Date January 11, 2002  ANT First Named Inventor Daniel R. LANE et al Art Unit 2681				
ì	STATEMENT BY AP	PLICA	ANT	First Named Inventor	Daniel R. LANE et al		
				Art Unit	2681		
	(use as many sheets as r	necessar	y)	Examiner Name	To Be Assigned		
Sheet	1	of	1	Attorney Docket Number	199.40934X00 (22-0192)		

				U.S. PATENT I	DOCUMENTS	
Examiner Initials'	Cite	Docum	nent Number			Pages, Columns, Lines, Where
	No.1	Number-Kind	Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Relevant Passages or Relevant Figures Appear
K.0		US-6,211,83	5 B1	4-03-2001	Peebles	
くろ		US-6,215,45	2 B1	4-10-2001	Chandler et al	
(5-2)		US-6,236,37	5 B1	5-22-2001	Chandler et al	
الريما		US-6,233,43	3 B1	5-15-2001	Norin	
		US-				
		US-				
		US-				DECEN /FT
		US-				RECEIV
	_	US-				•
		US-				AUG 0 4 2003
		US-				7.00
		US-				Tashaslam Cantas 0000
		US-				Technology Center 2600
		US-				
		US-				
		US-				

Examiner	Cite	Foreign Patent Document	Publication Date		Pages, Columns, Lines,	
Initials'	No.1	Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)	MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Where Relevant Passages or Relevant Figures Appear	Τ'
$\perp$						
	-					_
Examiner Signature		Trick un. No.	~~	Date Considered	8/28/04	

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See Kinds Codes of USPTO Patent Documents at <a href="www.uspto.gov">www.uspto.gov</a> or MPEP 901.04. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard St.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

PTO/SB/08A (10-01)

Approved for use through 10/31/2002. OMB 0651-0031 U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paper of Redundary Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Complete if Known Substitute for form 1449A/PTO Application Number 10/044,264 INFORMATION DISCLOSURE Filing Date January 22, 2002 STATEMENT BY APPLICANT First Named Inventor Daniel Robert LANE et al Art Unit 2681 (use as many sheets as necessary) **Examiner Name** To Be Assigned Attorney Docket Number Sheet of 2 199.40934X00 (22-1092)

				U.S. PATENT I	OCUMENTS	
Examiner Initials'	Cite No.1	Document Number  Number-Kind Code <sup>2</sup> (if known)		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
Ww		US- 5,924,031		07-13-1999	Copeland et al	
ī		US-				
		US-				
	L	US-				The state of the s
		US-				RECENTED.
		US-				Large St. Corn. Carl
		US-				
		US-				NOV 2 0 2003
		US-				
		US-				Technology Center 2600
		US-				Technology contact 2000
		US-				
		US-				
		US-				
		US-				
		US-				

	٠	FOREIG	N PATENT DO	CUMENTS		
Examine	Cite	Foreign Patent Document	Publication Date	Name of Patentee or	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	
Initials'	No. <sup>1</sup>	Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)	MM-DD-YYYY	Applicant of Cited Document		T <sup>6</sup>
1/1		EP 0 887 951 A	12-30-1998	Hughes Electronics Corp.		
<i>V</i>						
	_					
<del>                                     </del>						
<b>└</b>	_					
<b></b>	<u> </u>					
<b>├</b> ─ <i>├</i> ─						
<del></del>	<del> </del>	<del> </del>				
<b>├</b> ─		<b>-</b>				<b> </b>
L		1	1	l		

	\		
Examiner Signature		Date Considered	120/04

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>&</sup>lt;sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See Kinds Codes of USPTO Patent Documents at <a href="https://www.uspto.gov">www.uspto.gov</a> or MPEP 901.04. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard St.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.

PTO/SB/08A (10-01)

Approved for use through 10/31/2002. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperved Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

					TO INICITIATION UNICES IT CONTAINS A VAIID CIVID CONTROL NUMBER.		
Substitute	e for form 1449B/PTO			Complete if Known			
				Application Number	10/044,264		
	INFORMATION DISCL	.osi	JRE	Filing Date	January 11, 2002		
	STATEMENT BY APP	LIC	ANT	First Named Inventor	Daniel Robert LANE et al		
				Group Art Unit	2681		
(use as many sheets as necessary)				Examiner Name	To Be Assigned		
Sheet	2	of	2	Attorney Docket Numbe	199.40934X00		

Initials*  No. item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher city and/or country where published  G.H. Schennum et al: "Antenna Subsystem for the ITELSAT VII Spacecraft", CONFERENCE PROCEEDINGS ARTICLE, 4 February 1990, pgs. 83-92, XP10010338  RECEIVED  NOV 2 0 2003	Examiner	Cite	OTHER PRIOR ART—NON PATENT LITERATURE DOCUMENTS  Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the	_					
PROCEEDINGS ARTICLE, 4 February 1990, pgs. 83-92, XP10010338  RECEIVED  NOV 2 0 2003			item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s),						
NOV 2 0 2003	G.H. Schennum et al: "Antenna Subsystem for the ITELSAT VII Spacecraft", C PROCEEDINGS ARTICLE, 4 February 1990, pgs. 83-92, XP10010338								
NOV 2 0 2003	$\perp$								
			RECEIVED						
Technology Center 260			NOV 2 0 2003						
			Technology Center 2600	)					
		-							
1 1 1									
		<del></del>							
Examiner Signature Date Considered 8/28/04				_					

<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

<sup>&</sup>lt;sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>Applicant is to place a check mark here if English language Translation is attached.